

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF QSC AUDIO PRODUCTS, THAT MAY NOT BE DISCLOSED, REPRODUCED OR USED WITHOUT EXPRESS WRITTEN CONSENT FROM QSC AUDIO PRODUCTS.

REVISION				
REV	DESCRIPTION	EFF. DATE	CHK	APPROVED / DATE
1	PROTOTYPE RELEASE	3-01-00		
2	CLEAN UP BY PHQ	3-02-00		
3	CLEAN UP BY AA	3-29-00		
4	REVISED: HPF COMP. VALUES, LD1, R17, IDR & R250. SA.	9-23-00		
5	CLEAN UP NOTES, ADDED TOLERANCE TO COG PARTS AA	2-21-01		

D

D

C

C

B

B

- 8. ZENER TOLERANCE IS 5%
- 7. SMT CAPACITOR VOLTAGE IS 50V
- 6. SMT RESISTOR WATTAGE RATING IS 0.1W
- 5. RESISTOR WATTAGE RATING IS 1/4W
FOR RESISTOR WATTAGE RATINGS GREATER THAN 1W, TOLERANCE IS 5%
FOR RESISTOR WATTAGE RATINGS LESS THAN 1/2W, TOLERANCE IS 1%
- 4. THROUGH-HOLE FILM AND CERAMIC CAPACITOR TOLERANCE IS 10%, VOLTAGE IS 100V
- 3. ELECTROLYTIC CAPACITOR TOLERANCE IS 20%
- 5. J104, J204 ARE CONNECTED PIN TO PIN BY 13-LINE RIBBON CABLE.

- 4 PART NUMBERING SCHEME
PARTS IN COMMON TO BOTH CH: 1-99. CH 1 PARTS 100-199. CH 2 PARTS 200-299
 - 3. COMPONENTS MARKED WITH Δ ARE SAFETY CRITICAL PARTS.
 - 2. COMPONENTS WITH VALUE PREFIXED WITH A \wedge REPRESENT SMT COMPONENTS.
 - 1. THIS DRAWING USED IN CONJUNCTION WITH ASSEMBLY WP-004501-00
- NOTES: UNLESS OTHERWISE SPECIFIED

5 rev. SH-004501-00

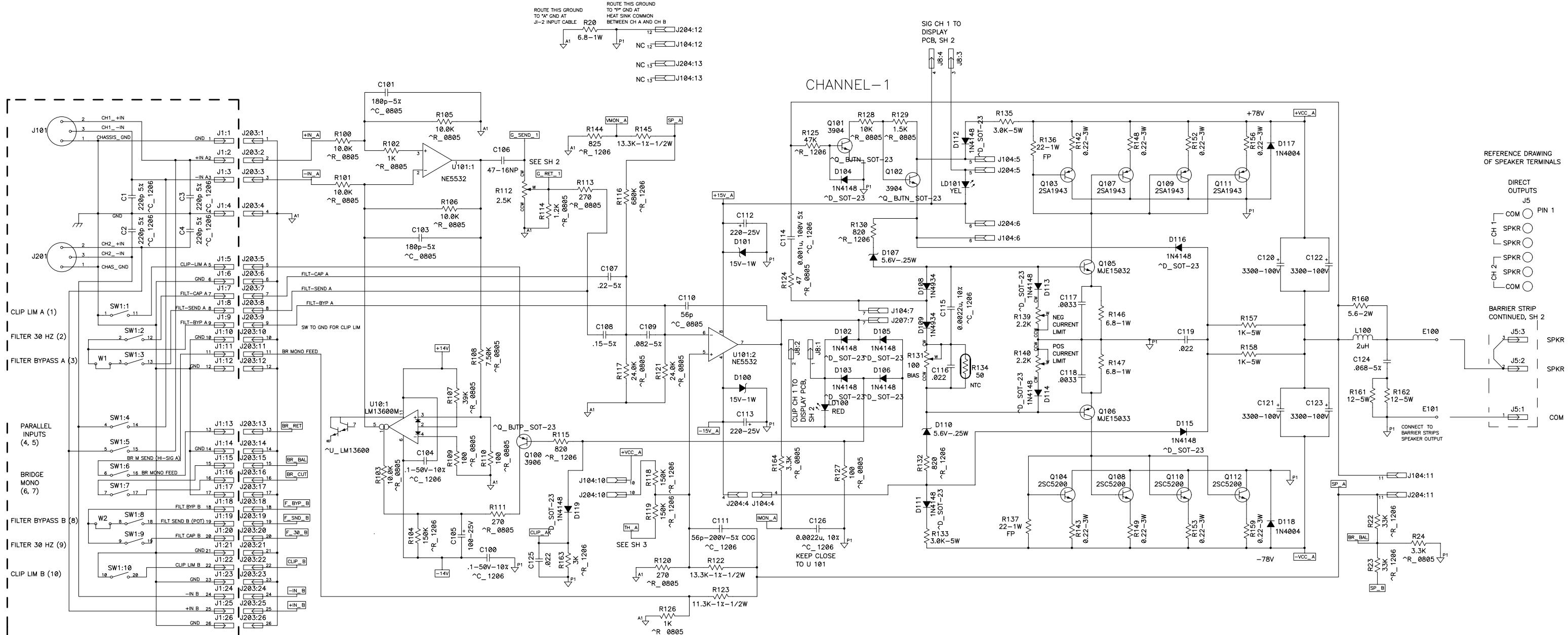
A

QTY	ITEM NO.	PART NO.	DESCRIPTION	VENDOR
PARTS LIST				
QSC AUDIO PRODUCTS, INC. COSTA MESA, CALIFORNIA				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSIONS PER ANSI Y14.5-1982	CONTRACT NO.			
TOLERANCES ARE: DECIMALS DECIMALS ANGLES .XX ± .XXX ± 0	APPROVALS	DATE		
DEBURR EDGES .XXX R MAX MATERIAL	DRAWN PAT QUILTER	2-25-00		
	CHECKED			
WP-004501-00	ISA 450			
NEXT ASSY	USED ON			
APPLICATION	DO NOT SCALE DRAWING			
FINISH	ISSUED			
CAD SEED FILE NO.	PLOT DATE:			
	Mon Mar 19, 2001	SCALE NONE	CAD FILE NO.	SH-004501-00.sch
			SHEET 1 OF 4	

SCHEMATIC DIAGRAM
ISA-450
SH-004501-00

D

D



A

A

NOTES: UNLESS OTHERWISE SPECIFIED

8

7

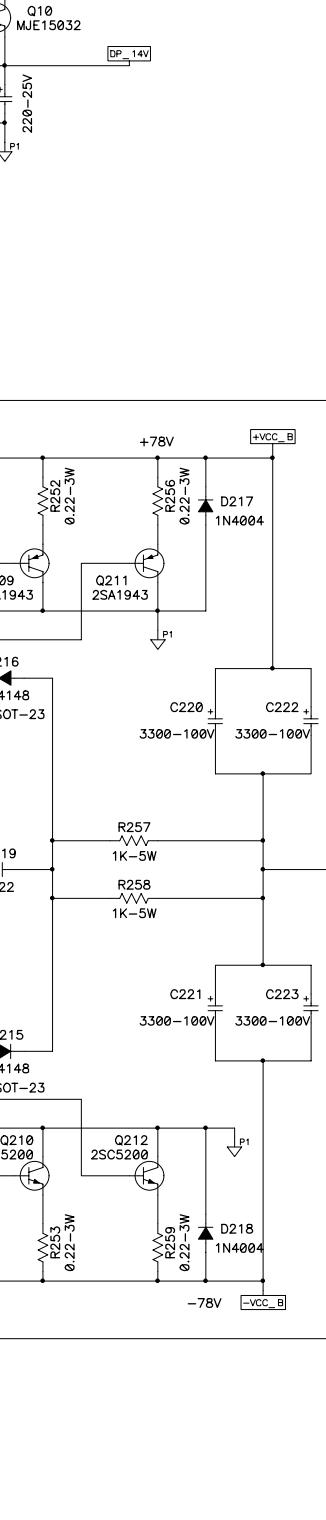
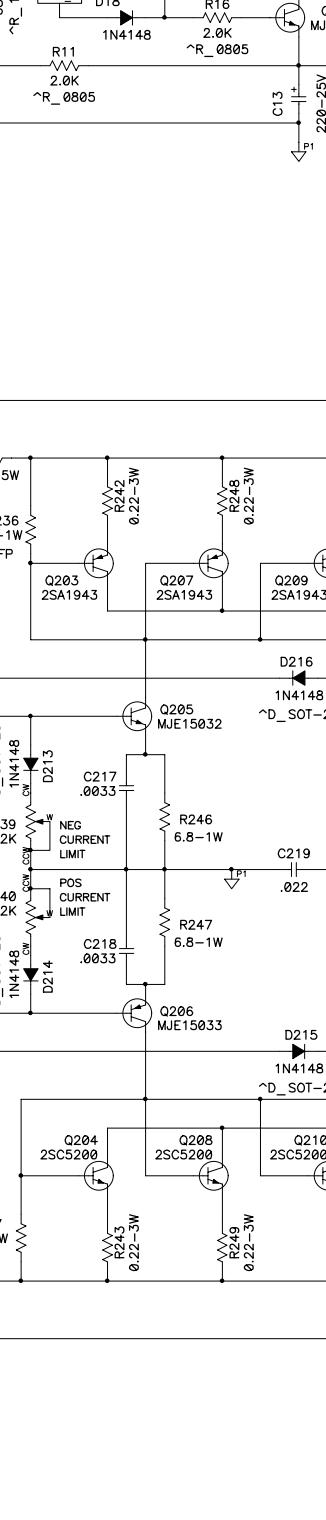
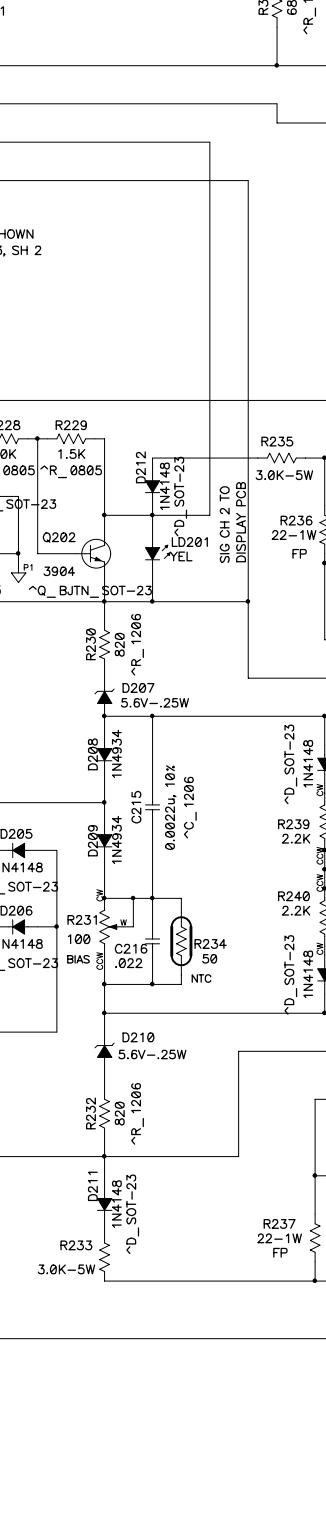
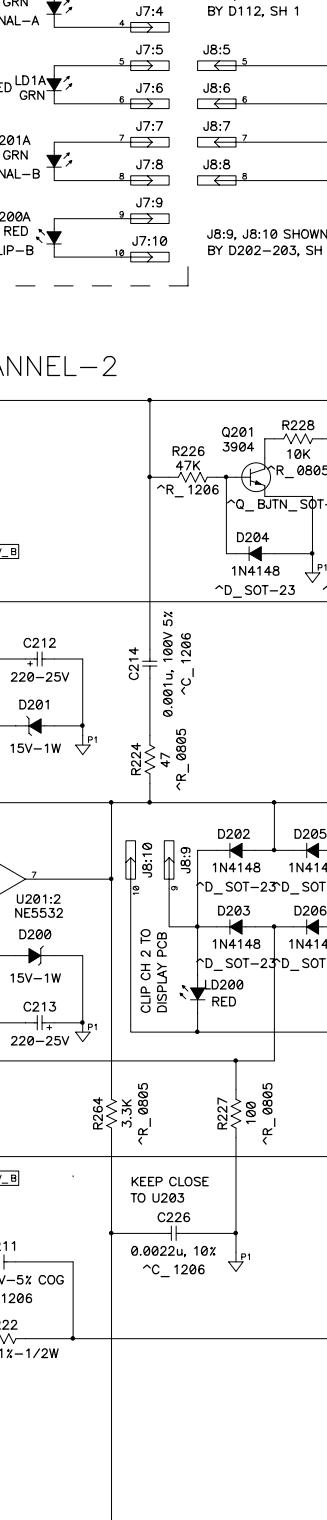
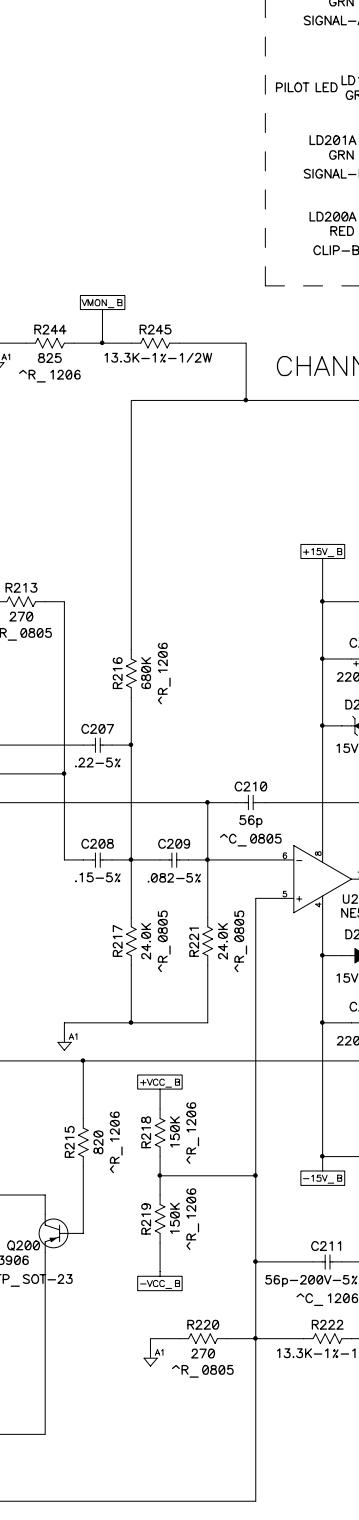
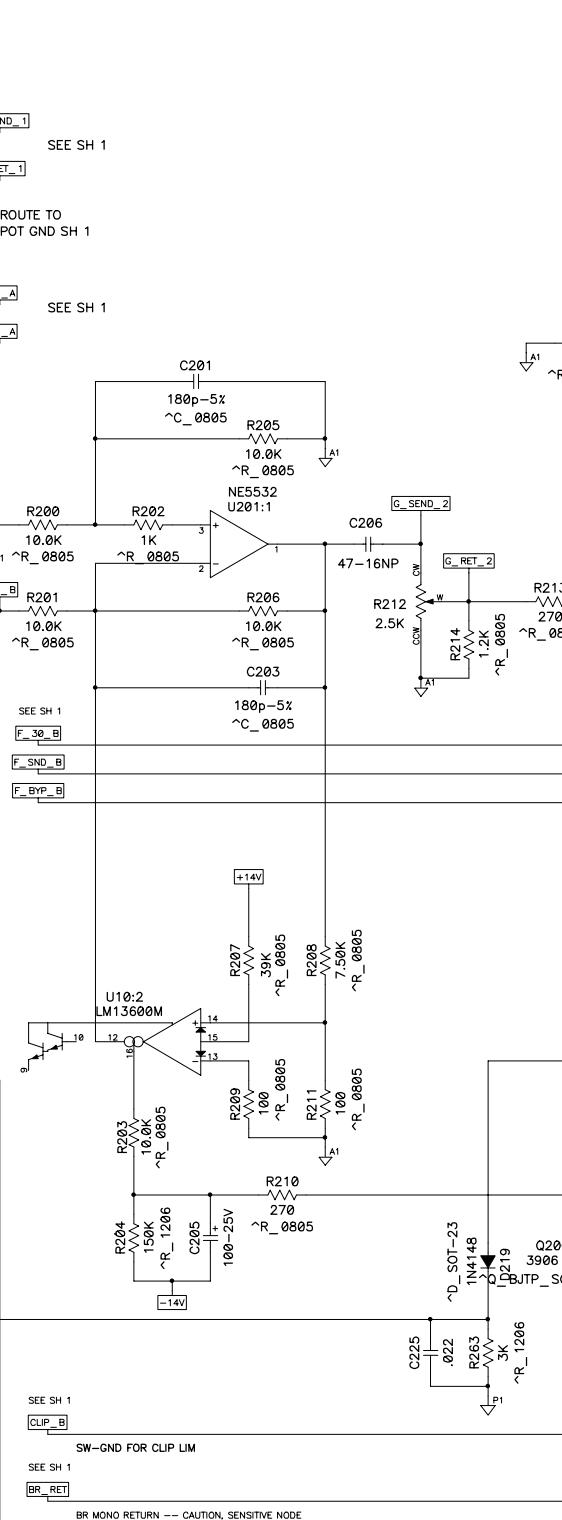
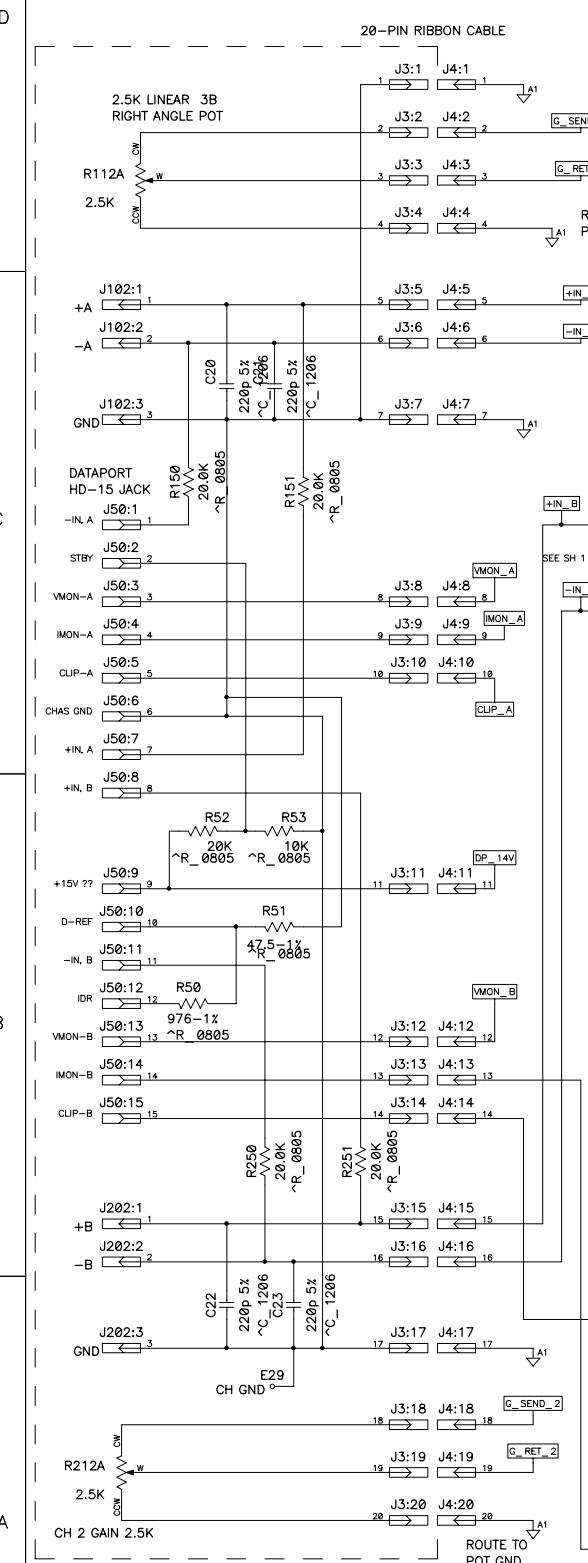
6

5

4

3

2



REFERENCE DRAWING
OF SPEAKER TERMINALS

DIRECT
OUTPUTS

J5

BARRIER STRIP
CONTINUED, SH 1

J5:4

J5:5

J5:6

6

COM

D

D

AC VOLTAGE
PROGRAMMING
TERMINALS

AC INPUT, HIGH (ALL)

100V	120V	240V
TRANSFORMER PRI LEADS		

BRN	BRN	BRN
GRY	GRY	-

BLK	BLU	BLU
-	-	BLK

-	-	GRY
WHT	RED	RED

BLU	BLK	-
RED	WHT	WHT

AC INPUT, LOW (ALL)

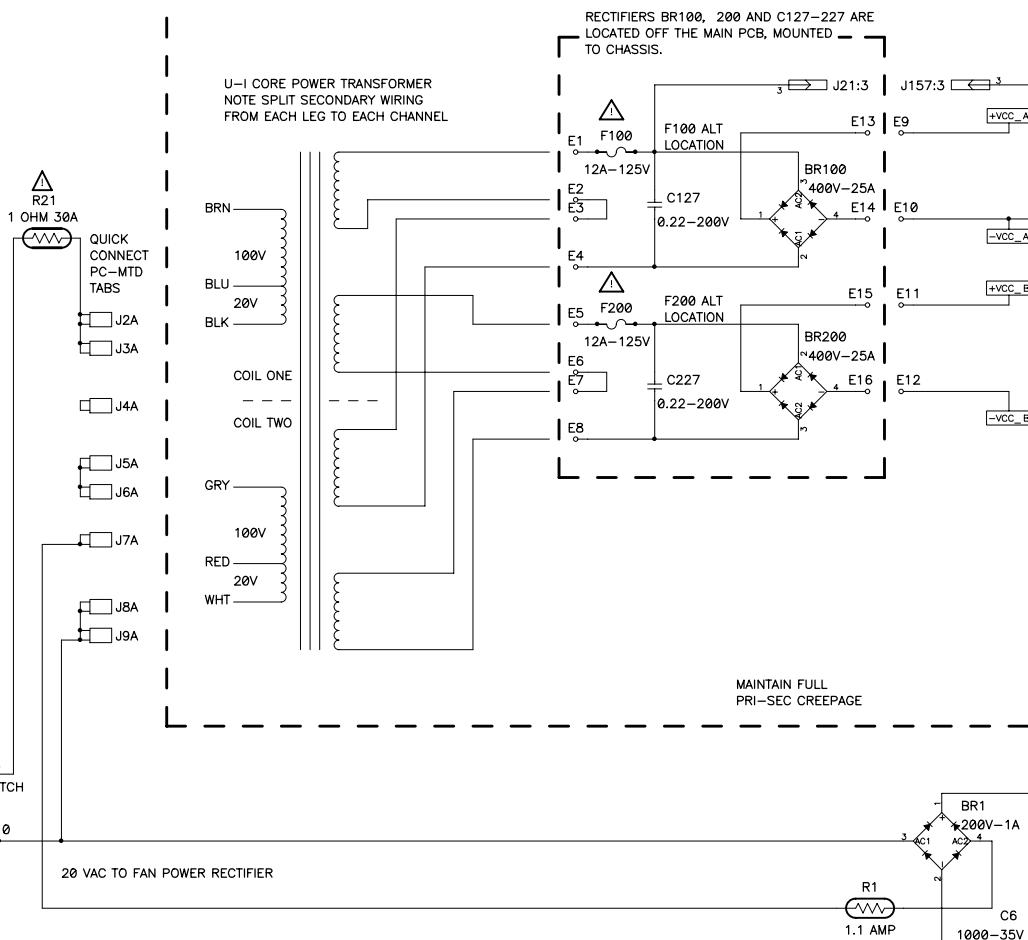
CIRCUIT BREAKER
USA 15A - 125V
EUROPE 7.5A - 250V

IEC AC INLET

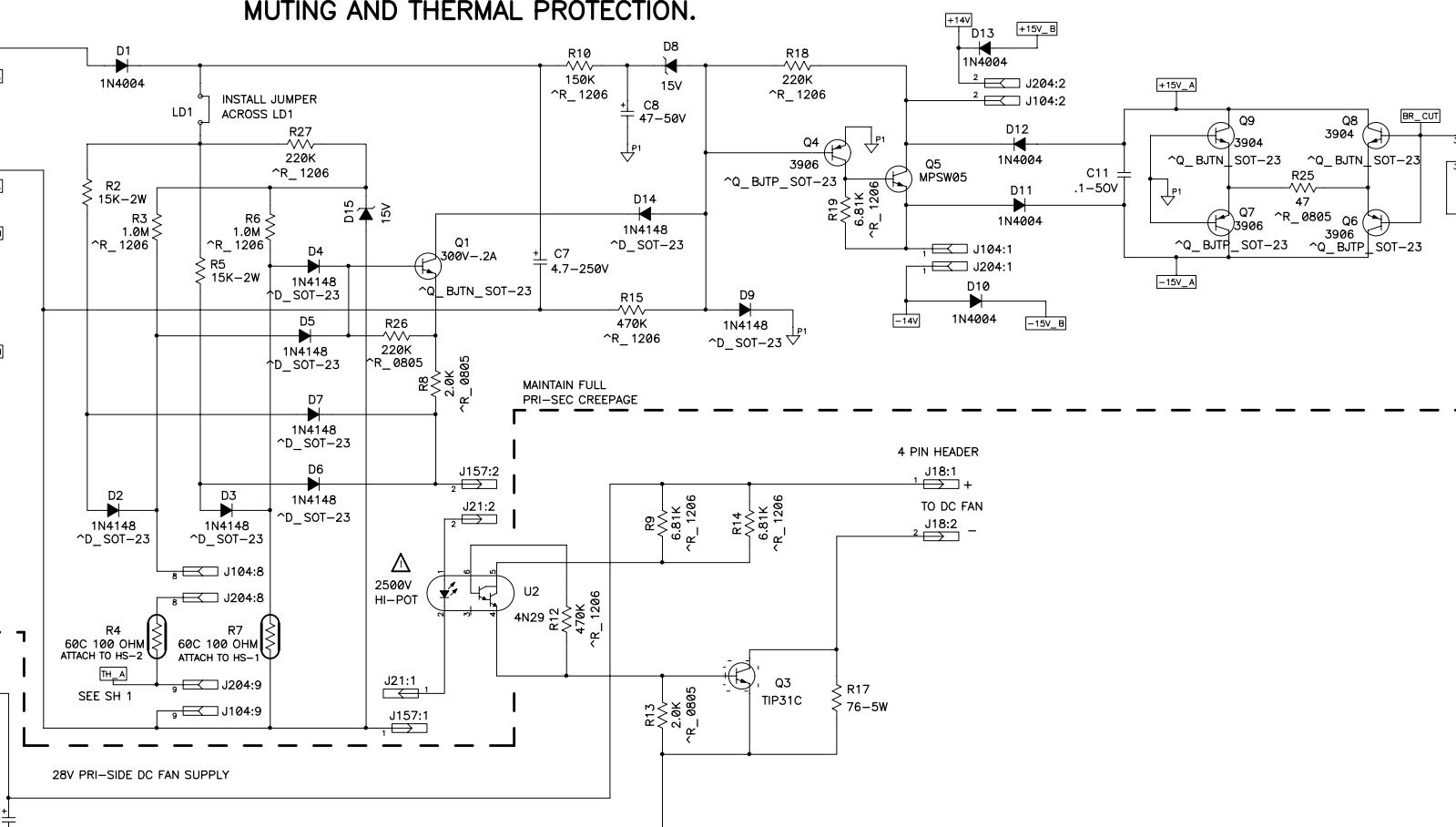
LINE 1

NEUT 2

GND 3



MUTING AND THERMAL PROTECTION.



5 rev. 4 SH-004501-00 DWG NO.

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION WHICH IS THE PROPERTY OF QSC AUDIO PRODUCTS, THAT MAY NOT BE DISCLOSED, REPRODUCED OR USED WITHOUT EXPRESS WRITTEN CONSENT FROM QSC AUDIO PRODUCTS.

REVISION				
REV	DESCRIPTION	EFF. DATE	CHK	APPROVED / DATE
A	PRODUCTION RELEASE PER ECO 4597 WR	6-08-01	DD	6-08-01
B	REVISED PER ECO 4841A AA	4-05-02	DD	
C	CANCEL ECO 4845 AA	8-20-02	DD	
D	REVISED PER ECO 4861 AA	11-15-02	DD	
E	REVISED PER ECO 4883 AA	2-14-03		

D

D

C

C

B

B

11. ZENER TOLERANCE IS 5%
10. SMT CAPACITOR VOLTAGE IS 50V
9. SMT RESISTOR WATTAGE RATING IS 0.1W
8. RESISTOR WATTAGE RATING IS 1/4W
FOR RESISTOR WATTAGE RATINGS GREATER THAN 1W, TOLERANCE IS 5%
FOR RESISTOR WATTAGE RATINGS LESS THAN 1/2W, TOLERANCE IS 1%
7. THROUGH-HOLE FILM AND CERAMIC CAPACITOR TOLERANCE IS 10%, VOLTAGE IS 100V
6. ELECTROLYTIC CAPACITOR TOLERANCE IS 20%
5. J104, J204 ARE CONNECTED PIN TO PIN BY 13-LINE RIBBON CABLE.
- 4 PART NUMBERING SCHEME
PARTS IN COMMON TO BOTH CH: 1-99. CH 1 PARTS 100-199. CH 2 PARTS 200-299
3. COMPONENTS MARKED WITH \triangle ARE SAFETY CRITICAL PARTS.
2. COMPONENTS WITH VALUE PREFIXED WITH A '^' REPRESENT SMT COMPONENTS.
1. THIS DRAWING USED IN CONJUNCTION WITH ASSEMBLY WP-004501-00
- NOTES: UNLESS OTHERWISE SPECIFIED

QTY	ITEM NO.	PART NO.	DESCRIPTION	VENDOR
PARTS LIST				
QSC AUDIO PRODUCTS, INC. COSTA MESA, CALIFORNIA				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DIMENSIONS PER ANSI Y14.5-1982 TOLERANCES ARE: DECIMALS DECIMALS ANGLES .XX ± .XXX ± 0	CONTRACT NO.			
DEBURR EDGES .XXX R MAX	APPROVALS	DATE		
MATERIAL	DRAWN PAT QUILTER	2-25-00		
FINISH	CHECKED A. ARANDA	6-08-01		
DO NOT SCALE DRAWING	ISSUED G. WILSON	6-08-01	SIZE FSCM NO. DWG NO.	REV
			D	SH-004501-00 E
	CAD SEED FILE NO.	PLOT DATE: Fri Mar 07, 2003	SCALE NONE CAD FILE NO. SH4501RE.SCH	SHEET 1 OF 4

E rev

A

SCHEMATIC DIAGRAM

ISA-450

E rev

A

PLOT DATE: Fri Mar 07, 2003

1

D

C

B

A

NOTES: UNLESS OTHERWISE SPECIFIED

